

GenCore version 5.1.6  
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OW protein - nucleic search, using frame\_plus.p2n model

Run on: August 23, 2003, 20:52:21 ; Search time 68 Seconds  
(without alignments)  
2271.825 Million cell updates/sec

Title: US-09-745-506-37  
Perfect score: 350  
Sequence: 1 MDLKLISLNDPASFASF.....LENNKINILSETDRDPLQYV 350

Scoring table:  
OLIGO  
Xgapop 60.0 , Xgapext 60.0  
Ygapop 60.0 , Ygapext 60.0  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 569978 seqs, 220691566 residues

Word size: 1

Total number of hits satisfying chosen parameters: 1135299

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Command line parameters:  
-MODEL=frame+.p2n model  
-Q=/cg2\_1/USPTO.spool/US09745506/rnat.22082003\_104428\_7292/apf-query.fasta.1.519  
-DB=Issued\_Patents\_NA -OFMT=fastp -SUFFIX=p2noli.rni -MINMATCH=0.1 -LOOPEL=0  
-LOOPEXT=0 -ONITS=bits -START=1 -END=1 -MATRIX=oligo -TRANS=human40.cdi  
-LIST=45 -DOCALLIGN=200 -THR\_SCORE=quality -THR\_MIN=1 -ALIGN=15 -MOE=LOCAL  
-OUTFMT=ptc -NORM=ext -HEAFILE=500 -MINLEN=0 -MAXLEN=200000000  
-USER=US09745506.ecgn1.1.44.rnat.22082003\_104428\_7292 -NCPU=6 -ICPU=3  
-NO\_MMAP -LARGEDUTY -NEG\_SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG  
-DEV\_TIMEOUT=120 -WARN\_TIMEOUT=30 -THREADS=1 -XGAPOP=60 -XGAPEXT=60 -FGAPOP=6  
-FGAPEXT=7 -YGAPOP=60 -YGAEXT=60 -DELOP=6 -DELEXT=7

Database : Issued Patents NA :  
1: /cg2\_6/ptodata/2/lna/3A\_COMB.seq:\*  
2: /cg2\_6/ptodata/2/lna/3B\_COMB.seq:\*  
3: /cg2\_6/ptodata/2/lna/5A\_COMB.seq:\*  
4: /cg2\_6/ptodata/2/lna/5B\_COMB.seq:\*  
5: /cg2\_6/ptodata/2/lna/BACKFILE1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	10	2.9	1104	4	US-09-134-001C-841
2	2	2.3	312	4	US-09-305-984-45
3	3	2.3	312	4	US-09-073-541A-45
4	4	2.3	354	4	US-09-107-532A-1939
5	5	2.3	1546	4	US-09-383-318A-1
6	7	2.3	8900	4	US-09-305-984-25
7	8	2.3	8900	4	US-09-073-541A-25
8	9	2.3	28882	4	US-08-961-527-140
9	8	2.3	44453	4	US-09-146-053-5
10	8	2.0	29	4	US-09-304-232-135
11	7	2.0	37	4	US-09-090-793-50
12	7	2.0	37	4	US-09-231-899-50

C 13	7	2.0	54	1	US-08-390-850-1045	Sequence 1045, Ap
C 14	7	2.0	54	1	US-08-390-850-1097	Sequence 1097, Ap
C 15	7	2.0	54	1	US-08-435-634-1045	Sequence 1045, Ap
C 16	7	2.0	54	1	US-08-435-634-1097	Sequence 1097, Ap
C 17	7	2.0	228	4	US-09-252-991A-509	Sequence 509, App
C 18	7	2.0	241	4	US-09-389-681-377	Sequence 377, App
C 19	7	2.0	241	4	US-09-620-405B-377	Sequence 377, App
C 20	7	2.0	241	4	US-09-433-826B-377	Sequence 377, App
C 21	7	2.0	241	4	US-09-604-287A-377	Sequence 377, App
C 22	7	2.0	246	4	US-09-107-532A-851	Sequence 851, App
C 23	7	2.0	264	4	US-09-313-294A-4268	Sequence 4268, Ap
C 24	7	2.0	278	4	US-09-313-294A-2476	Sequence 2476, Ap
C 25	7	2.0	301	4	US-09-313-294A-6727	Sequence 6727, Ap
C 26	7	2.0	309	1	US-08-209-747-3	Sequence 3, App11
C 27	7	2.0	309	1	US-08-458-298-3	Sequence 3, App11
C 28	7	2.0	310	4	US-09-313-294A-5010	Sequence 5010, Ap
C 29	7	2.0	315	4	US-09-325-932A-4	Sequence 4, App11
C 30	7	2.0	340	3	US-08-836-075A-97	Sequence 97, App1
C 31	7	2.0	366	4	US-09-252-991A-4109	Sequence 4109, Ap
C 32	7	2.0	393	4	US-09-107-532A-2243	Sequence 2243, Ap
C 33	7	2.0	408	4	US-09-252-991A-2284	Sequence 2284, Ap
C 34	7	2.0	411	3	US-09-018-584A-2	Sequence 2, App11
C 35	7	2.0	411	4	US-09-199-542B-109	Sequence 109, App
C 36	7	2.0	450	4	US-09-328-352-1489	Sequence 1489, Ap
C 37	7	2.0	530	2	US-08-346-429-5	Sequence 5, App11
C 38	7	2.0	540	4	US-09-252-991A-528	Sequence 528, App
C 39	7	2.0	543	4	US-09-252-991A-2691	Sequence 2691, App
C 40	7	2.0	548	3	US-09-328-111-554	Sequence 554, App
C 41	7	2.0	565	3	US-09-188-930-234	Sequence 234, App
C 42	7	2.0	565	4	US-09-312-283C-234	Sequence 234, App
C 43	7	2.0	631	4	US-09-569-098A-93	Sequence 93, App
C 44	7	2.0	678	4	US-09-252-991A-16326	Sequence 16326, A
C 45	7	2.0	726	4	US-09-107-532A-1192	Sequence 1192, Ap

## ALIGNMENTS

RESULT 1  
US-09-134-001C-841  
; Sequence 841, Application US/09134001C  
; Patent No. 6380370  
; GENERAL INFORMATION:  
; APPLICANT: Lynn Doucette-Stamm et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC  
; TITLE OF INVENTION: EPIDERMIDS FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: GTC-007  
; CURRENT APPLICATION NUMBER: US/09/134,001C  
; CURRENT FILING DATE: 1998-08-13  
; PRIOR APPLICATION NUMBER: US 60/064,964  
; PRIOR FILING DATE: 1997-11-08  
; PRIOR APPLICATION NUMBER: US 60/055,779  
; PRIOR FILING DATE: 1997-08-14  
; NUMBER OF SEQ ID NOS: 5674  
; SEQ ID NO 841  
; LENGTH: 1104  
; TYPE: DNA  
; ORGANISM: Staphylococcus epidermidis  
US-09-134-001C-841

## Alignment Scores:

Pred. No.: 0.604 Length: 1104  
Score: 10.00 Matches: 10  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 2.86% Indels: 0  
DB: 4 Gaps: 0

US-09-745-506-37 (1-350) x US-09-134-001C-841 (1-1104)

OY 19 Alaglserttrpaspasnvaglyleu 28  
DB 58 GCTGAATCATGCGATATATGATATATTA 87

```
RESULT 2
US-09-305-984-45
; Sequence 45, Application US/09305984B
; Patent No. 6331407
; GENERAL INFORMATION:
; APPLICANT: Toumanen, Elaine
; TITLE OF INVENTION: NOVEL ANTIBIOTICS AND METHODS OF USING THE SAME
; FILE REFERENCE: 1340-1-016N1
; CURRENT APPLICATION NUMBER: US/09/305,984B
; EARLIER FILING DATE: 1999-05-05
; EARLIER APPLICATION NUMBER: 60/084,399
; EARLIER FILING DATE: 1998-05-06
; EARLIER APPLICATION NUMBER: 09/305,984
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 45
; LENGTH: 312
; TYPE: DNA
; ORGANISM: Streptococcus pneumoniae
US-09-305-984-45

Alignment Scores:
Pred. No.: 21.3 Length: 312
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 2.29% Indels: 0
DB: 4 Gaps: 0

US-09-745-506-37 (1-350) x US-09-305-984-45 (1-312)
QY 91 GUAANARGVALGILTYRSer 98
DB 257 GAAATAGGGTAGTATTATTC 280

RESULT 3
US-09-073-541A-45
; Sequence 45, Application US/09073541A
; Patent No. 6448224
; GENERAL INFORMATION:
; APPLICANT: Toumanen, Elaine
; TITLE OF INVENTION: NOVEL ANTIBIOTICS AND METHODS OF USING THE SAME
; FILE REFERENCE: 1340-1-016
; CURRENT APPLICATION NUMBER: US/09/073,541A
; CURRENT FILING DATE: 1998-05-06
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 45
; LENGTH: 312
; TYPE: DNA
; ORGANISM: Streptococcus pneumoniae
US-09-073-541A-45

Alignment Scores:
Pred. No.: 21.3 Length: 312
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 2.29% Indels: 0
DB: 4 Gaps: 0

US-09-745-506-37 (1-350) x US-09-073-541A-45 (1-312)
QY 91 GUAANARGVALGILTYRSer 98
DB 257 GAAATAGGGTAGTATTATTC 280

RESULT 4
US-09-107-532A-1939/c
; Sequence 1939, Application US/09107532A
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; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Arinello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 1939:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 354 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (b) LOCATION 1...354
; SEQUENCE DESCRIPTION: SEQ ID NO: 1939:
US-09-107-532A-1939

Alignment Scores:
Pred. No.: 24 Length: 354
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 2.29% Indels: 0
DB: 4 Gaps: 0

US-09-745-506-37 (1-350) x US-09-107-532A-1939 (1-354)
QY 258 GYATGThrlEugluSerGlnVal 265
DB 104 GGTAGACCCCTAGAAAGCCAGTT 81

RESULT 5
US-09-383-318A-1/c
; Sequence 1, Application US/09383318A
; Patent No. 6372476
; GENERAL INFORMATION:
; APPLICANT: Belghulth, Karima Srih
; APPLICANT: Mezghani, Monia
; APPLICANT: Elhouz, Radhouane
; APPLICANT: Bejar, Samir
```

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; TITLE OF INVENTION: Polypeptides Having Glucose Isomerase
; FILE REFERENCE: 6004.200-US
; CURRENT APPLICATION NUMBER: US/09/383,318A
; CURRENT FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: SN 99.100
; PRIOR FILING DATE: 1999-05-26
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1546
; TYPE: DNA
; ORGANISM: Streptomyces
US-09-383-318A-1

Alignment Scores:
Pred. No.: 95          Length: 1546
Score: 8.00           Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 2.29%     Indels: 0
DB: 4                  Gaps: 0

US-09-745-506-37 (1-350) x US-09-383-318A-1 (1-1546)
QY
DB 252 ArgLeuAlaLeuGlyAlaGlyArg 259
469 CCGCTCGCGCTCGGTCTCGACGC 446

RESULT 6
US-09-305-984-25
; Sequence 25, Application US/09305984B
; Patent No. 6331407
; GENERAL INFORMATION:
; APPLICANT: Toumanen, Elaine
; TITLE OF INVENTION: NOVEL ANTIBIOTICS AND METHODS OF USING THE SAME
; FILE REFERENCE: 1340-1-016N1
; CURRENT APPLICATION NUMBER: US/09/305,984B
; CURRENT FILING DATE: 1999-05-05
; EARLIER APPLICATION NUMBER: 60/084,399
; EARLIER FILING DATE: 1998-05-06
; EARLIER APPLICATION NUMBER: 09/305,984
; EARLIER FILING DATE: 1999-05-05
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 25
; LENGTH: 8900
; TYPE: DNA
; ORGANISM: Streptococcus pneumoniae
US-09-305-984-25

Alignment Scores:
Pred. No.: 487          Length: 8900
Score: 8.00           Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 2.29%     Indels: 0
DB: 4                  Gaps: 0

US-09-745-506-37 (1-350) x US-09-305-984-25 (1-8900)
QY
DB 91 GluAsnArgValGlyIleTyrSer 98
6614 GAAATATGAGGTAGTATTATTCCT 6637

RESULT 7
US-09-073-541A-25
; Sequence 25, Application US/09073541A
; Patent No. 6448224
; GENERAL INFORMATION:
; APPLICANT: No. 6448224ak, Rodger
; APPLICANT: Toumanen, Elaine
```

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; TITLE OF INVENTION: NOVEL ANTIBIOTICS AND METHODS OF USING THE SAME
; FILE REFERENCE: 1340-1-016
; CURRENT APPLICATION NUMBER: US/09/073,541A
; CURRENT FILING DATE: 1998-05-06
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 25
; LENGTH: 8900
; TYPE: DNA
; ORGANISM: Streptococcus pneumoniae
US-09-073-541A-25

Alignment Scores:
Pred. No.: 487          Length: 8900
Score: 8.00           Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 2.29%     Indels: 0
DB: 4                  Gaps: 0

US-09-745-506-37 (1-350) x US-09-073-541A-25 (1-8900)
QY
DB 91 GluAsnArgValGlyIleTyrSer 98
6614 GAAATATGAGGTAGTATTATTCCT 6637

RESULT 8
US-08-961-527-140/C
; Sequence 140, Application US/08961527
; Patent No. 6420135
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 391
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 Inch, 1.4MB storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS Version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/961,527
; CLASSIFICATION: 424
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Brookes, A. Anders
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PB340P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 140:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28882 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-961-527-140

Alignment Scores:
Pred. No.: 1,46e+03      Length: 28882
Score: 8.00           Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
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Query Match: 2.29% Indels: 0  
DB: 4 Gaps: 0  
US-09-745-506-37 (1-350) x US-08-961-527-140 (1-28882)  
QY 91 GUAAGAGVAGIYIETYSer 98  
DB 3286 GAAATAGGCTAGCTATTATCT 3263  
RESULT 9  
US-09-146-053-5  
Sequence 5, Application US/09146053A  
Patent No. 6393349  
GENERAL INFORMATION:  
APPLICANT: Ryan, James W.  
APPLICANT: Sprinkle, Terry Joe Curtis  
APPLICANT: Venema, Richard C.  
TITLE OF INVENTION: Human Aminopeptidase P Gene  
FILE REFERENCE: MGI103  
CURRENT APPLICATION NUMBER: US/09/146,053A  
CURRENT FILING DATE: 1998-09-02  
EARLIER APPLICATION NUMBER: 60/057,854  
EARLIER FILING DATE: 1997-09-02  
NUMBER OF SEQ ID NOS: 7  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 5  
LENGTH: 44453  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-146-053-5  
Alignment Scores:  
Pred. No.: 2.19e+03 Length: 44453  
Score: 8.00 Matches: 8  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 2.29% Indels: 0  
Gaps: 0  
DB: 4  
US-09-745-506-37 (1-350) x US-09-146-053-5 (1-44453)  
QY 92 AAGAGVAGIYIETYSerPro 99  
DB 35772 AACAGGTTGGATATATCTCT 35795  
RESULT 10  
US-09-304-232-135/c  
Sequence 135, Application US/09304232  
Patent No. 6525185  
GENERAL INFORMATION:  
APPLICANT: Fan, Jian Bing  
APPLICANT: Chakravarti, Aravinda  
APPLICANT: Halushka, Marc Kenneth  
APPLICANT: Case Western Reserve University School of Medicine  
TITLE OF INVENTION: Polymorphisms Associated With  
FILE REFERENCE: Hypertension  
FILE REFERENCE: 018547-034210US  
CURRENT APPLICATION NUMBER: US/09/304,232  
CURRENT FILING DATE: 1999-05-03  
EARLIER APPLICATION NUMBER: US 60/084,641  
EARLIER FILING DATE: 1998-05-07  
NUMBER OF SEQ ID NOS: 909  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 135  
LENGTH: 29  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: APOA4 1338  
US-09-304-232-135  
Alignment Scores:

Pred. No.: 24.8 Length: 29  
Score: 7.00 Matches: 7  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 2.00% Indels: 0  
Gaps: 0  
US-09-745-506-37 (1-350) x US-09-304-232-135 (1-29)  
QY 31 ProSerProHstHrval 37  
DB 26 CCGTACCACCCACACTGTA 6  
RESULT 11  
US-09-090-793-50  
Sequence 50, Application US/09090793  
Patent No. 6140486  
GENERAL INFORMATION:  
APPLICANT: Calgene, LLC  
TITLE OF INVENTION: Production of polyunsaturated fatty acids by expression  
FILE REFERENCE: CGNE.131.01US  
CURRENT APPLICATION NUMBER: US/09/090,793  
CURRENT FILING DATE: 1998-06-04  
EARLIER APPLICATION NUMBER: 60/048,650  
EARLIER FILING DATE: 1997-06-04  
NUMBER OF SEQ ID NOS: 66  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 50  
LENGTH: 37  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: synthetic  
US-09-090-793-50  
Alignment Scores:  
Pred. No.: 31.2 Length: 37  
Score: 7.00 Matches: 7  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 2.00% Indels: 0  
Gaps: 0  
DB: 3  
US-09-745-506-37 (1-350) x US-09-090-793-50 (1-37)  
QY 13 PheAlaSerLeuSerPheAla 19  
DB 17 TTCGCTCAGTGTCTTGTCT 37  
RESULT 12  
US-09-231-899-50  
Sequence 50, Application US/09231899  
Patent No. 6566583  
GENERAL INFORMATION:  
APPLICANT: Lassarner, Michael  
APPLICANT: Metz, James G  
APPLICANT: Facchiotti, Daniel  
TITLE OF INVENTION: SCHIZOCHYTRIUM PKS GENES  
FILE REFERENCE: CGNE.131.02US  
CURRENT APPLICATION NUMBER: US/09/231,899  
CURRENT FILING DATE: 1999-01-14  
EARLIER APPLICATION NUMBER: 60/048,650  
EARLIER FILING DATE: 1997-06-04  
EARLIER APPLICATION NUMBER: 09/090,793  
EARLIER FILING DATE: 1998-06-04  
NUMBER OF SEQ ID NOS: 86  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 50  
LENGTH: 37  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: synthetic  
US-09-231-899-50

## Alignment Scores:

Pred. No.:	31.2	Length:	37
Score:	7.00	Matches:	7
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	2.00%	Indels:	0
DB:	4	Gaps:	0

US-09-745-506-37 (1-350) x US-09-231-899-50 (1-37)

OY 13 PhealaserleuserPheala 19

DB 17 TTCGCCTCAGCTGCTTCT 37

## RESULT 13

US-08-390-850-1045/c

; Sequence 1045, Application US/08390850

; Patent No. 5612215

## GENERAL INFORMATION:

APPLICANT: Draper, Kenneth G.

APPLICANT: Pavco, Pamela

APPLICANT: McSwiggen, James

APPLICANT: Gustofson, John

APPLICANT: Stinchcomb, Dan T.

TITLE OF INVENTION: METHOD AND REAGENT FOR TREATMENT

NUMBER OF SEQUENCES: 1151

TITLE OF INVENTION: OF ARTHRITIC CONDITIONS

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

CITY: Suite 4700

STATE: Los Angeles

COUNTRY: U.S.A.

ZIP: 90071

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 MB

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: FASTSEQ Version 1.5

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/390,850

FILING DATE: February 17, 1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/354,920

FILING DATE: December 13, 1994

APPLICATION NUMBER: 08/152,487

FILING DATE: No. 5612215ember 12, 1993

APPLICATION NUMBER: 07/989,848

FILING DATE: December 7, 1992

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 211/084

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 1045:

SEQUENCE CHARACTERISTICS:

LENGTH: 54 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-390-850-1045

Alignment Scores:

Pred. No.: 44.4

Score: 7.00

Length: 54

Matches: 7

Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	2.00%	Indels:	0
DB:	1	Gaps:	0

US-09-745-506-37 (1-350) x US-08-390-850-1045 (1-54)

OY 28 LeuvalgluproserProPro 34

DB 23 CTGCTGACCTCTCTCTCA 3

## RESULT 14

US-08-390-850-1097/c

; Sequence 1097, Application US/08390850

; Patent No. 5612215

## GENERAL INFORMATION:

APPLICANT: Draper, Kenneth G.

APPLICANT: Pavco, Pamela

APPLICANT: McSwiggen, James

APPLICANT: Gustofson, John

APPLICANT: Stinchcomb, Dan T.

TITLE OF INVENTION: METHOD AND REAGENT FOR TREATMENT

NUMBER OF SEQUENCES: 1151

TITLE OF INVENTION: OF ARTHRITIC CONDITIONS

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

CITY: Suite 4700

STATE: Los Angeles

COUNTRY: U.S.A.

ZIP: 90071

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 MB

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: FASTSEQ Version 1.5

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/390,850

FILING DATE: February 17, 1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/354,920

FILING DATE: December 13, 1994

APPLICATION NUMBER: 08/152,487

FILING DATE: No. 5612215ember 12, 1993

APPLICATION NUMBER: 07/989,848

FILING DATE: December 7, 1992

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 211/084

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 1097:

SEQUENCE CHARACTERISTICS:

LENGTH: 54 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-390-850-1097

Alignment Scores:

Pred. No.: 44.4

Score: 7.00

Length: 54

Matches: 7

Percent Similarity: 100.00%

Best Local Similarity: 100.00%

Query Match: 2.00%

DB: 1

Gaps: 0

US-09-745-506-37 (1-350) x US-08-390-850-1097 (1-54)

OY 28 LeuValGIuProSerProPro 34  
 DB 23 CTGCTGGAACCTTCCTCCTCCA 3

RESULT 15

US-08-435-634-1045/C  
 ; Sequence 1045, Application US/08435634  
 ; Patent No. 5731295

GENERAL INFORMATION:

APPLICANT: Draper, Kenneth G.  
 APPLICANT: MCSwigen, James  
 APPLICANT: Gustafson, John  
 APPLICANT: Stinchcomb, Dan T.  
 TITLE OF INVENTION: METHOD AND REAGENT FOR TREATMENT  
 OF ARTHRITIC CONDITIONS  
 NUMBER OF SEQUENCES: 1151  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Lyon & Lyon  
 STREET: 633 West Fifth Street  
 STREET: Suite 4700  
 CITY: Los Angeles  
 STATE: California  
 COUNTRY: U.S.A.  
 ZIP: 90071

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
 MEDIUM TYPE: storage  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: IBM P.C. DOS 5.0  
 SOFTWARE: FASTSEQ Version 1.5  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/435,634  
 FILING DATE: 05-MAY-1995  
 CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/390,850  
 FILING DATE: February 17, 1995  
 APPLICATION NUMBER: 08/354,920  
 FILING DATE: December 13, 1994  
 APPLICATION NUMBER: 08/152,487  
 FILING DATE: No. 5731295 September 12, 1993  
 APPLICATION NUMBER: 07/989,848  
 FILING DATE: December 7, 1992  
 ATTORNEY/AGENT INFORMATION:

NAME: Wardburg, Richard  
 REGISTRATION NUMBER: 32,327  
 REFERENCE/DOCKET NUMBER: 211/084  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (213) 489-1600  
 TELEFAX: (213) 955-0440  
 TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 1045:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 54 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear

US-08-435-634-1045

Alignment Scores:  
 Pred. No.: 44.4 Length: 54  
 Score: 7.00 Matches: 7  
 Percent Similarity: 100.00% Conservative: 0  
 Best Local Similarity: 100.00% Mismatches: 0  
 Query Match: 2.00% Indels: 0  
 DB: 1 Gaps: 0

US-09-745-506-37 (1-350) x US-08-435-634-1045 (1-54)

OY 28 LeuValGIuProSerProPro 34  
 DB 23 CTGCTGGAACCTTCCTCCTCCA 3

DB 23 CTGCTGGAACCTTCCTCCTCCA 3

Search completed: August 23, 2003, 22:15:31  
 Job time: 91 secs